

XP-002149922

AN - 1994-222253 [27]

AP - JP19920308953 19921118

CPY - FPFP-N

- SEKP

DC - A92 D14 D22 E19 G03 Q34

DR - 1856-U

FS - CPI;GMPI

IC - A23L3/3535 ; B65D81/28 ; C09J7/02

MC - A08-M02 A12-A01 A12-P D03-K08 D09-A01C D09-C04B E06-A03 E07-D13B

G03-B01 G03-B02B G03-B02D G03-B02D1 G03-B04

M3 - [01] D015 D019 D240 F012 F013 F014 F015 F016 F019 F123 F199 H4 H405

H484 H5 H523 H8 K0 L810 L814 L819 L824 L833 M1 M126 M129 M141 M149

M280 M311 M323 M342 M373 M393 M413 M510 M523 M530 M540 M650 M770 M782

M903 P220 P241 Q130 Q331 R043; 49968; R01856-M; 9427-E5801-M

- [02] G010 G100 H716 H721 K0 L2 L220 M210 M211 M212 M213 M214 M215 M231

M232 M273 M280 M281 M311 M320 M321 M342 M373 M391 M414 M416 M510 M520

M531 M540 M620 M630 M770 M782 M903 P220 P241 Q130 Q331 R043;

9427-E5801-M

PA - (FPFP-N) FP CORP

- (SEKP ) SEKISUI PLASTICS CO LTD

PN - JP6158002 A 19940607 DW199427 C09J7/02 005pp

PR - JP19920308953 19921118

XA - C1994-101852

XIC - A23L-003/3535 ; B65D-081/28 ; C09J-007/02

XP - N1994-175193

AB - J06158002 The tape consists of a base sheet and a self-adhesive layer formed on one side of the base sheet. One or both of the base sheet and self-adhesive layer contain an anti-fungus agent consisting of isothiocyanic acid ester clathrated with cyclodextrin.

- The isothiocyanic acid ester includes allyl isothiocyanate, methyl isothiocyanate, ethyl isothiocyanate, n-propyl isothiocyanate, n-butyl isothiocyanate, isobutyl isothiocyanate, isoamyl isothiocyanate, phenyl isothiocyanate, benzyl isothiocyanate, etc. and most pref. is allyl isothiocyanate.

- It is extracted from wasabi or mustard or synthesised by decomposing a reaction prod. of amine and carbon disulphide with silver nitrate.

- Pref. cyclodextrin is beta-cyclodextrin.

- The clathrate is obtd. by mixing cyclodextrin in powder with isothiocyanic acid ester in liq..

- The anti-fungus agent is contained in 0.5 to 15, (pref. 1 to 10) pts. wt. per 100 pts. wt. of resin. The base sheet includes foamed or non-foamed polystyrene, polypropylene, polyethylene, PVC and PVA films, paper, cloth and metal foil. The self-adhesive is made from rubber, acrylic resin, vinyl resin, silicone, etc..

- ADVANTAGE - The antibacterial self-adhesive tape is attached to inside of food containers such as lunch boxes and releases vapour of anti-fungus agent slowly. (Dwg.0/4)

CN - 9427-E5801-M R01856-M

IW - ANTIBACTERIAL SELF ADHESIVE TAPE LUNCH BOX BASE SHEET SELF ADHESIVE LAYER OPTION CONTAIN ANTI FUNGUS AGENT CONSIST ISO THIO CYANURIC ACID ESTER CLATHRATE CYCLODEXTRIN

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**IKW - ANTIBACTERIAL SELF ADHESIVE TAPE LUNCH BOX BASE SHEET SELF ADHESIVE  
LAYER OPTION CONTAIN ANTI FUNGUS AGENT CONSIST ISO THIO CYANURIC ACID  
ESTER CLATHRATE CYCLODEXTRIN**

**NC - 001**

**OPD - 1992-11-18**

**ORD - 1994-06-07**

**PAW - (FPFP-N) FP CORP**

**- (SEKP ) SEKISUI PLASTICS CO LTD**

**RRL - 49968**

**TI - Antibacterial self-adhesive tape for lunch boxes, etc - has base sheet  
and self adhesive layer both opt contg anti-fungus agent consisting of  
iso:thio:cyanuric acid ester clathrated with cyclodextrin**

**A01 - [001] 017 ; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D83 ;**

**R00708 G0102 G0022 D01 D02 D12 D10 D19 D18 D31 D51 D53 D58 D88 ;**

**R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 ; R00338**

**G0544 G0022 D01 D12 D10 D51 D53 D58 D69 D82 CI 7A ; H0000 ; S9999**

**S1309-R ; S9999 S1285-R ; S9999 S1581 ; S9999 S1650 S1649 ; P1150**

**; P1741 ; P1796 P1809 ; P1161 ; P1343 ; P1752 ;**

**- [002] 017 ; P1707 P1694 D01 ; S9999 S1285-R ; S9999 S1581 ; S9999  
S1309-R ; S9999 S1650 S1649 ;**

**- [003] 017 ; K9574 K9483 ; B9999 B5447 B5414 B5403 B5276 ;**

**- [004] 017 ; ND01 ; K9518 K9483 ; K9563 K9483 ; K9552 K9483 ;**

**K9687 K9676 ; K9698 K9676 ; K9701 K9676 ; Q9999 Q6633 ; Q9999**

**Q7589-R ; Q9999 Q8446 Q8399 Q8366 ;**

**A02 - [001] 017 ; H0124-R ;**

**- [002] 017 ; P0088-R ; P1445-R F81 Si ;**

**- [003] 017 ; G0022-R D01 D51 D53 ; H0000 ; H0011-R ;**

**- [004] 017 ; Q9999 Q6644-R ; Q9999 Q7114-R ; K9712 K9676 ;**

**- [005] 017 ; ND01 ; K9518 K9483 ; K9563 K9483 ; K9552 K9483 ;**

**K9687 K9676 ; K9698 K9676 ; K9701 K9676 ; Q9999 Q6633 ; Q9999**

**Q7589-R ; Q9999 Q8446 Q8399 Q8366 ;**

**- [006] 017 ; A999 A044-R ; S9999 S1514 S1456 ;**

**A03 - [001] 017 ; R24032 R01863 G3623 D01 D11 D10 D23 D22 D31 D42 D50 D86**

**F24 F29 F26 F34 H0293 P0599 ; M9999 M2835 ; M9999 M2813 ; L9999**

**L2391 ; L9999 L2835 ; L9999 L2813 ; A999 A044-R ; A999 A782 ;**

**S9999 S1514 S1456 ;**

**- [002] 017 ; ND01 ; ND03 ;**

**- [003] 017 ; D01 D11 D10 D53 D51 D58 D84 F66 ; H0226 ;**

**- [004] 017 ; D01 D11 D10 D50 D82 D83 D84 D85 D86 F66 ; H0226 ;**

**- [005] 017 ; D01 D19 D18 D31 D50 D87 D88 F66 ; H0226 ;**

**- [006] 017 ; S- 6A ; H0157 ;**